

CLAIM AMENDMENT

Claims 1 to 3. (canceled)

4. (new) A scheduling method for loading and unloading containers at a terminal, the method comprising steps of:

acquiring data for establishing Yard Information Database by acquiring at least one of ship quay location data, container storage site data, and Bay Plan including information of specific cargo shipping position (S100),

acquiring data for establishing Container Database including container loading and unloading schedules and container inventory remained on the ship while loading and unloading container Database is setting up by inputting container loading and unloading schedule from outer source (S102),

setting shipping schedules by establishing shipping order Database according to input content information of loading containers from outer source, Bay Plan, tidal information and navigation schdule for efficient unloading and shipping operation (S104),

unloading cargo from a container ship by retrieving said Yard Information Database for assigning an available quay location when an input data of port entering is received from outer source, and said Container Database for identifying unloading containers and assigning an available container storage site (S200),

loading cargo to a container ship by retrieving said Yard Information Database for identifying loading containers, location of storage site, cargo destination and ship quay location when an input data of shipping order is received from outer source (S300), and

storing data for maintaining Bay Plan including information of loaded or unloaded container list, location of storage site, cargo destinations and ship quay location based on the

performance of previous unloading step (S200) and loading step (S300) (S400).

5. (new) A scheduling method for loading and unloading containers as claimed in claim 4, wherein said data includes container identification number, indicating destination, shipping cell position, gateway, initial loading port code, loading port code, unloading port code, selection of unloading port code, final unloading port code, final unloading destination port code, and before/after altered unloading port information for the containers remained on the ship.

6. (new) A computer readable recording medium recorded a computer programming of scheduling method for loading and unloading containers at a container terminal, the medium comprising:

means for establishing Yard Information Database by acquiring at least one of ship quay location data, container storage site data, and Bay Plan including information of specific cargo shipping position,

means for establishing Container Database including container loading and unloading schedules and container inventory remained on the ship while loading and unloading container Database is setting up by inputting container loading and unloading schedule from outer source,

means for establishing shipping order Database to set a shipping schedule according to input content information of loading containers from outer source, Bay Plan, tidal information and navigation schedule for efficient shipping and unloading operation,

means for unloading cargo from a container ship by retrieving said Yard Information Database for assigning an available quay location when an input data of port entering is received from outer source, and said Container Database for identifying unloading containers

and assigning an available container storage site,

means for loading cargo to a container ship by retrieving said Yard Information Database for identifying loading containers, location of storage site, cargo destination and ship quay location when an input data of shipping order is received from outer source, and

means for maintaining Bay Plan including information of loaded or unloaded container list, location of storage site, cargo destinations and ship quay location based on the performance of previous unloading and loading means.